

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-3. (Canceled)

4. (Currently Amended) A driving method of a PDP, comprising the steps of:
~~respectively detecting each false contour generation regions from first video data~~
~~of for a previous frame period and second video data for a current frame period;~~
~~extracting a motion information from the first video data of the previous frame~~
~~period and the current frame period the second video data including the detected respective false~~
~~contour generation regions; and~~
~~compensating the a false contour by using the extracted motion information,~~
wherein the compensating comprises:
setting a compensation value based on a velocity value from the motion
information, and
adding or subtracting the compensation value to or from a gray scale that
has generated the false contour depending on a direction from the motion information.

Reply to Office Action dated January 5, 2006

5. (Currently Amended) The ~~driving~~ method according to claim 4, wherein the first video data of the previous frame period is stored such that the first video data is delayed during one frame period by a frame memory.

6-8. (Canceled)

9. (Currently Amended) The method according to claim 4, wherein the false contour is generated when ~~the a~~ gray scale having a combination of a plurality of sub-fields is any one ~~among of~~ 16, 32, 64 and 128.

10. (Currently Amended) The method according to claim 4, wherein the extracting ~~step comprises the steps of:~~

matching the first video data of the previous frame period with the second video data of the current frame period; and

extracting the motion information from a change of the movement ~~of the~~ between first false contour generation region ~~included in of the first video data of the previous frame period and second false contour generation region of the second video data the current frame period.~~

11. (Currently Amended) The method according to claim 4, wherein the motion information comprises size, direction and velocity value of ~~the a~~ gray scale.

12. (Canceled)

13. (Currently Amended) The ~~driving~~ method according to claim ~~[[12]]~~ 4, further comprising ~~the step of setting the compensation value on the basis of the~~ based on a size of the gray scale.

14-27. (Canceled)

28. (New) A plasma display driving method, comprising:

determining false contour generation regions from first video data for a previous frame period and second video data for a current frame period;

determining motion information from the first video data and the second video data including the determined false contour generation regions; and

compensating a false contour by adjusting a gray scale based on the determined motion information.

29. (New) The method according to claim 28, wherein the compensating includes adding or subtracting a compensation value to or from the gray scale depending on a direction of the motion information.

30. (New) The method according to claim 29, wherein the compensating further includes setting the compensating value based on a velocity value of the motion information.

31. (New) The method according to claim 28, wherein the first video data of the previous frame period is stored such that the first video data is delayed during one frame period by a frame memory.

32. (New) The method according to claim 28, wherein the false contour is generated when a gray scale having a combination of a plurality of sub-fields is any one of 16, 32, 64 and 128.

33. (New) The method according to claim 28, wherein determining the motion information includes:

matching the first video data of the previous frame period with the second video data of the current frame period; and

determining the motion information from a change of movement between a first false contour generation region of the first video data and a second false contour generation region of the second video data.

34. (New) The method according to claim 28, wherein the motion information includes size, direction and velocity value of a gray scale.

Serial No. **10/671,657**

Docket No. **HI-0179**

Reply to Office Action dated January 5, 2006

35. (New) The method according to claim 28, further comprising setting the compensation value based on a size of the gray scale.